Statement

Schme-Wise Release of Funds

(Rs. in lakhs)

| Name of Scheme | 1987-88 | 1988-89 (as on 28-11-88) |
|---|---|---|
| 1. Operation Blackboard | 11061.14 | 1570 41 |
| 2. Non-Formal Education | 3803 84 | |
| 3. District Institutes of Education and Training . (excluding amount under Border Area Development (Education programme) | 2876.14 | 311 50 |

**Workshops held on Vedic Mathematics**

2358. SHRI PRAMOD MAHAJAN:
SHRI SHANKER SINH VAGHELA:

Will the Minister of HUMAN RESOURCE DEVELOPMENT be pleased to state:

(a) what was the outcome of the Jaipur and Ahmedabad workshops on Vedic; Mathematics held under the auspices of Rashtriya Ved Vidya Pra-tisthan in March and October, this year and the action-plan;

(b) what are the names of books on Vedic Mathematics available in English, Hindi, Gujarati, Marathi, Oriya; Telgu and other languages and the names of the writers and publishers;

(c) what are the names of countries where Vedic Mathematics is available for being learnt by school-students and of these countries where students and teachers etc. have taken interest in lectures/courses on Vedic Mathematics;

(d) whether manuscript copy of Shri Bharati Krishanji on Vedic Mathematics is being studied and research carried thereon for more information; and

(e) whether the Ved Vidya Pratis-tha and University of Roorkee respectively have proposals under consideration, for starting Research projects on Vedic Mathematics; if so, what are their outlines?

THE MINISTER OF STATE IN THM DEPARTMENTS OF EDUCATION AND CULTURE IN THE MINISTRY OF HUMAN RESOUURCE DEVELOPMENT (SHRl L. P. SHAHI): (a) Recommendation made by the workshops held at Jaipur in March, 1988, and at Ahmedabad in October, 1988, indicating aiso the action plan recommendation by the Workshops are at Statement I and *TL (See* below).

(b) On the basis of available information, a list of books published in English, Hindi, Marathi, Gujarati and Telugu is given at Statement III *(See* below).

(c) It is reported that lectures on Vedic Mathematics delivered in various countries of America and Europe have aroused interest in the system. These include United Kingdom, Canada, Mexico, Norway, Sweden; Germany; Italy, Austria, Switzerland, France, Spain; Netherlands and Hungary, it is also reported that systematic teaching of Vedic Mathematics is being done in some schools in England and the U.S.A.

(d) The Rashtriya Veda Vidya Pra-tisthan is making efforts $t_0$ obtain the manuscript copy of Shri Bharati Krishna ji on Vedic Mathematics. Further decision can be taken only after it is available and studied by some experts.

(e) The Rashtriya Ved Vidy Pra-tisthan has proposed to organise a round table of Vedic Mathematics and

othe$_r$ Mathematicians to discuss the fundamental logical principles underlying Vedic Mathematics before deciding on the future course of research in thig subject. The Roorkee Univer-siiy has formed a research committee for research m Vedic Mathematics. This research project will cover application of Vedic Mathematics in different branches of Mathematics and computer software.

Statement-I

*Recommendations of the Workshop held by Rashtriya Veda Vidya Pratisthan on Vedio Mathematics* at *Jaipur in March,* 1988

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1. A mullfidiscipflinary committee consisting of experts fron the fields of Mathematics—Vedic, traditional and modern, experts in Computer Science representatives of the government and other experts may be formed. The Committee shall produce the basis of the second workshop which is felt to be necessary before any action is taken to implement Vedic Mathematics (VM) at different levels.

The Committee shall examine the following issues, either as a whole or through sub-committees to arrive at final recommendations.

i. Suitability of VM for introduction at school level and all its ramification e.g. inclusion in text books, training of teachers, logically consistent explanations of VM techniques, teaching aids, etc.

ii. Ways and means of encouragement, by which research in VM can be carried out to understand its potential and limitations at University level.

iii. Multimedia Strategy $t_0$ increase overall awareness of VM and role of voluntary organisations for this.

iv. Possibility of providing centralized/regional facilities for training and information dissemination and promoting research i$_n$ the field of VM.

v. Support from Department of Electronics (Government of india) for development of VM educational soltware in Indian languages, and providing of financial support to the projects on VM/applications in development of computer technology, such as knowledge base algorithms, VM based compute$_r$ architecture, etc.

vi. Any other relevant issues raised during the deliberations.

2. The Ministry of Human Resource Development should provide all neces sary support to enable effective func tioning of the Committee.

3. The Ministry should prepare a time bound programme for prepara tion of the report of the above Com mittee and organisation of the goal-oriented workshops.

Statement-II

Recommendations *of the . Workshop held by the Rashtriya Veda Vidya Pratishthan on Vedic Mathematics at Ahmedabad from October* 4th *to 7th* 1988

1. Vedic Mathematics provides new lway of soMng problems of Arithmetic- and these methods are convincingly simple;

2. In the class situations, particularly in classes above III, certain difficulties have been encountered while applying Vedic Mathematics Some of these difficulties have been found resolvable, but there are still some others which remain to be resolved;

3. Research and studies on the foundation of Sutras have to be ini tiated, whicii would enable giving them proper mathematical footing;

4. A workshop for teachers of pre-primary and lower elementary stages of education should be organised;

5. A group should be invited in the form of a pre-workshop to discuss thorOugly .various difficulties which have been encountered in the study of Vedic Mathematics, at the school level, particularly at levels beyond class III;

6. Only after a detailed examination can there be a possibility for Rashtriya Veda. Vidya Pratishthan recommending introduction of Vedic Mathematics officially for school education.

Statement-III

*LIST OF BOOKS ON VEDIC MATHEMATICS*

| Si. No. | Name of the Book | Authors | Publishers |
|---|---|---|---|
| *ENGLISH* | | | |
| 1 | Vedic Mathematics | Jagadguru Swami Sri Bharr.tj Kr/sna Banarsidass Tirthaji Maharaja | Motilal |
| 2 | Ancient Vedic Mathematics Pushp—I. Science Series, Roorkee | Dr. Narinder Puri | Spiritual |
| 3 | Ancient Vedic Mathematics Pushp-II | -do- | -do- |
| *4* | Workshop on Vedic Mathematics | Dr. Narinder Puri Dr. P.S Misra Vidya Prati:hthan Dr. H.G. Sharma Dr. G.S. Agarwal Km. Pragathi Gorl | Rashtriya Veda (for private circulation only) |
| 5 | Overview of Vedic Mathematics | Dr. Narinder Puri | -do- |
| 6 | Application of Urdhva Sutra | A. P. Nicholas K. Williams Research Group, J. Pickles | Vedic Mathematics London |
| 7 | Lectures on Vedic Mathematics | -do- | -do- |
| *S* | Triples Vedic Mathematics . | Kenneth Williams | -do- |
| 9 | Discover Vedic Mathematics | -do- | -do- |
| 10 | Glimpses of vedic Mathematics | Dr. Narinder Puri | Spiritual Science Series, Roorkee. |
| 11 | Notes of workshop on Vedic Mathematics held at Roorkee | -do. | -do- |
| | *HINDI* | | |
| | Vaidika Ganita Puspa—I . Sciene Series, Roorkee. *MARATHI* | Dr. Narinder Puri | Spiritual |
| | Vaidika Ganita Parts 1—IV | Dilip Kulkarni | Dilip Kulkarni |
| | *GUJARATI* | | |
| | Vaidika Ganita Vidya | Dr. Narayan Kansara | Maharishi Academy of Vedic Sciences, Ahmedabad. *TELUGU* |
| | Vaidika Ganitam Part I & II | T.S. Raju | |